195
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Launching of the
U.S. SUBMARINE SEALION
May 25, 1939 AT 4:15 P.M.
ELECTRIC BOAT CO. GROTON, CONN.

Principal Dimensions	
Length overall	310'-6"
Length between perpendiculars	302'-6"
Projection forward of F.P.	8'-0"
Length of straight keel	147'-0"
Breadth molded	26'-11¾
Breadth extreme	27'-1⅛"
Draft surface condition to underside of keel plates (mean)	16'-8½"
Ratio - length to beam	11-26
Shafts diverge at angle with ℄ of ship.	1°-29'-6"
Shafts ℄ at reduction gear (7" aft. Fr. #161) above base line	8'-2½
Shafts at ℄ Fr. #185 from ℄ ship	5'-8"
Shafts rake outboard and aft.	.0259" per inch from ℄
Shafts rake from base line and forward	.0237" per inch from B.L.
Shafts ℄ from base line at frame #185	7'-1"
Shafts ℄ at reduction gear (7" aft. Fr. #161) from ℄ of ship	4'-5¼
Rudder axis forward of A.P.	11'-6"
Number of frames	198
Frame spacing - bow to Fr. #35-24", Fr. 35 to Fr. 89-15", Fr. 89 to Fr. 95-24", Fr. 95 to Fr. 157-15", Fr. 157 to Fr. 193-24", Fr. 193 to stern 2'-6"	
Screws center ford. of A.P.	18'-6"

Heights	
Lowest point of keel to top of strength hull amidships on ℄ ship	20'-4"
Lowest point of keel to top of bridge deck	29'-2¾"
Lowest point of keel to top of conning tower	28'-8"
Lowest point of keel to top of signal bridge	37'-8"
Lowest point of keel to top of highest periscope extended.	67'-6 9/16
Lowest point of keel to bow anchor light	38'-1½"
Lowest point of keel to ford. range light	36'-1¾"
Lowest point of keel to aft. range light	35'-11¼"
Lowest point of keel to masthead light	51'-1⅞"
Lowest point of keel to sidelights - upper	33'-5"
- lower	32'-6"
Lowest point of keel to stern light - high	32'-3"
Lowest point of keel to stern light - low	25'-3"
Lowest point of keel to stern anchor light	26'-7"
Lowest point of keel to top of vertical antenna mast	62'-9"
Lowest point of keel to top of commission pennant staff (raised)	55'-4"

Complement	
Commanding officer	1
Executive officer	1
Wardroom officers	3
Total officers	5
Seamen branch	17
Artificer branch	15
Engine room force	16
Special branch	2
Commissary branch	2
Messmen branch	2
Total crew	54

Hose Connections - Water			
Name	Location	No.	Size
Fire and wash deck hose	Main deck amidships	1	1½"
Fire and wash deck hose	Main deck aft.	1	1½"
Fire and wash deck hose	Ford. torpedo room	1	1½"
Fire and wash deck hose	Control room	1	1½"
Fire and wash deck hose	Ford. mach'y. comp't.	1	1½"
Fire and wash deck hose	Aft. mach'y comp't.	1	1½"
Fire and wash deck hose	Aft. torpedo room	1	1½"
Fire and wash deck hose	Officers' quarters	1	1½"
Fire and wash deck hose	Crew's quarters	1	1½"
Fire and wash deck hose	Main deck ford.	1	1½"

Small Boats	
No.	Size
2	20' special motor boats

RESTRICTED-ACCOUNTABLE
SS 195 -5-

U.S. SUBMARINE

SEALION NO. 195

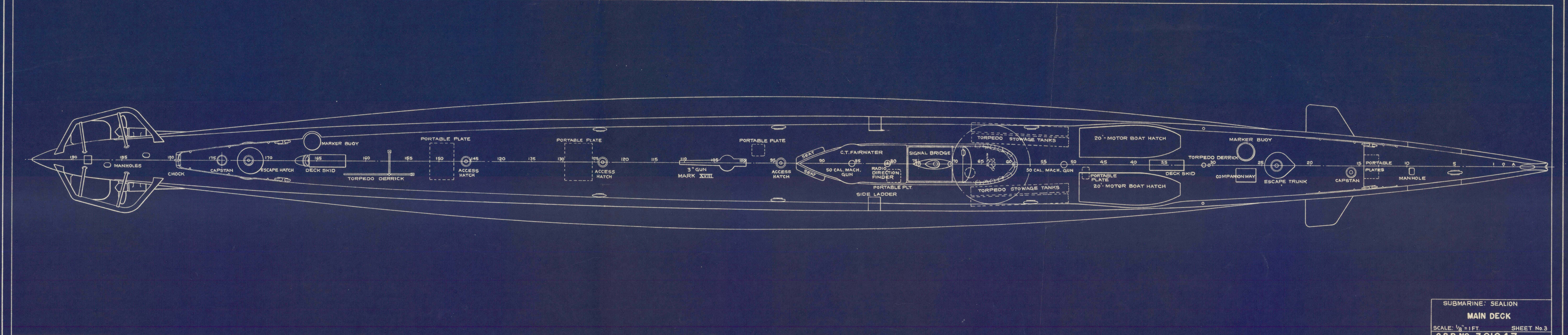
BOOKLET OF GENERAL PLANS

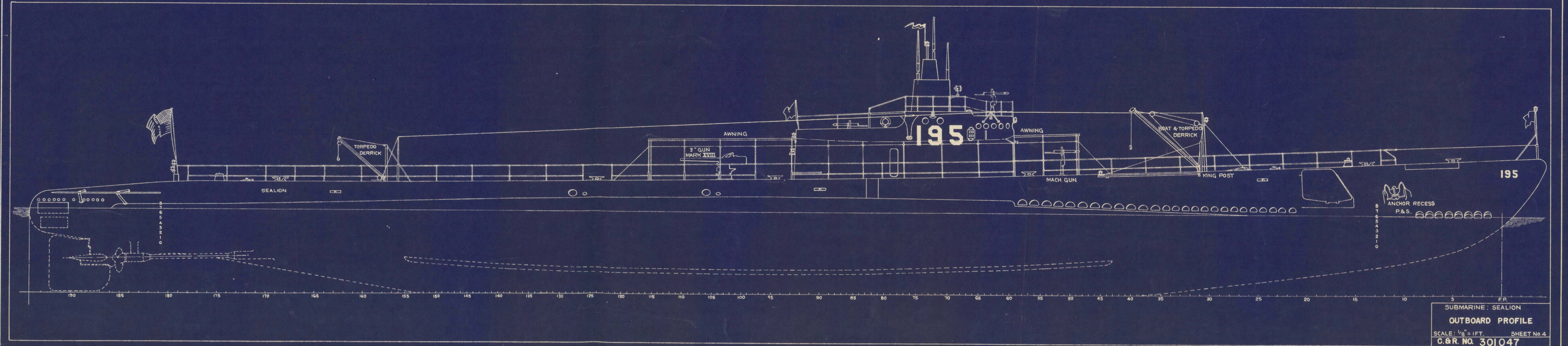
Corrected to suit ship		
Place	Date	Construction officer
Groton, Conn.	-1940	[signature]

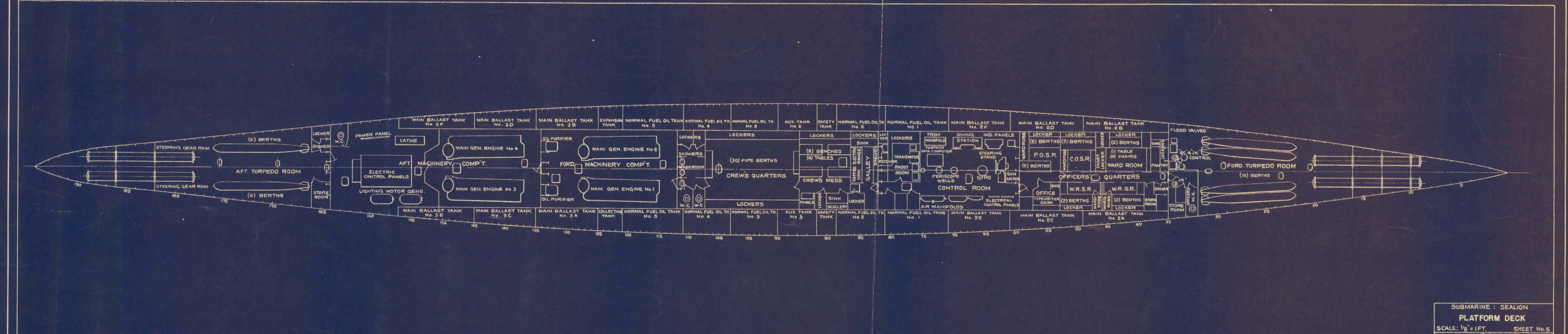
Order of plans
- Sheet No. 1 Cover
- Sheet No. 2 General dimensions & data
- Sheet No. 3 Main deck
- Sheet No. 4 Outboard profile
- Sheet No. 5 Platform deck
- Sheet No. 6 Hold
- Sheet No. 7 Inboard profile

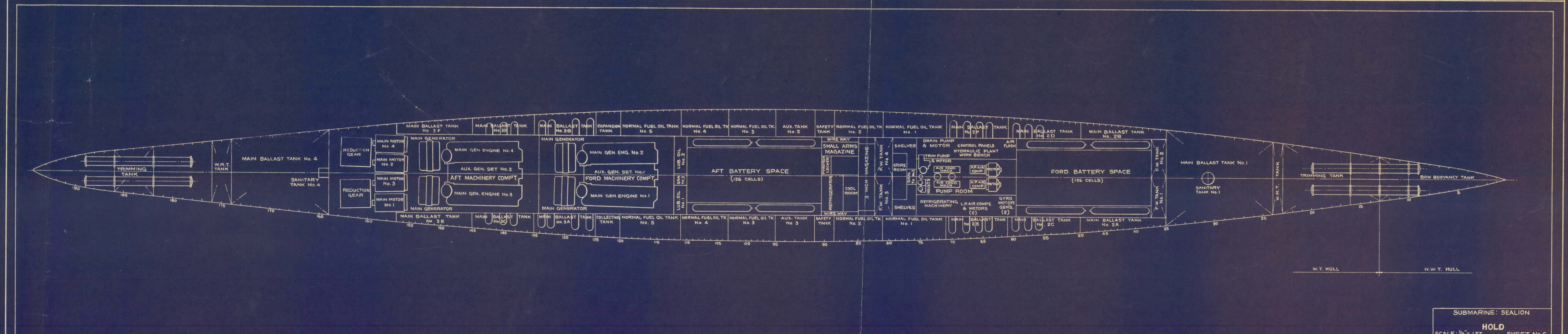
Electric Boat Company, Groton, Conn.
Date Dec. 28, 1939
Drawn L.W.C.
Traced R.F.B.
Checked R.C.A. - R.M.D.
Examined [signature]
Approved [signature]
Contractors Plan No. 1639-12

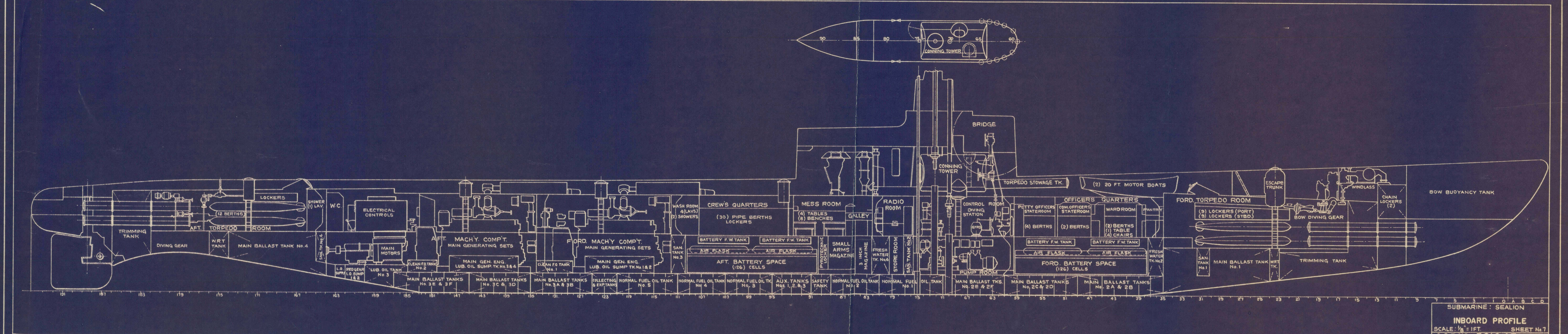
APPROVED
For SS 195
Assigned Bu. No. 301047
Date Jan. 31/40 [signature] Lt. Commander C.C.U.S.N. Superintending Constructor
C.&R. No. 301047











SEALION

SUBMARINE:- SS-195 SEALION

BOOKLET OF GENERAL PLANS

Electric Boat Company, Groton, Conn.

Scale:- ⅛" = 1 foot | Acct No. 21 | Contractor's plan no.

Drawn L.W.C. | Date Dec. 28, 1939
Traced R.F.B. | Examined [signature]
Checked R.C.A. R.M.D. | Approved [signature]

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Electric Boat Co., Groton, Conn.
Jan 31 1940
Finished plan taken from work examined and found correct
[signature] Lt. Commander (C.C.) U.S.N. Superintending Constructor

BU. C.&R. NO. 301047

Prints issued